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UNIVERSITY OF ILLINOIS

THE

# MEDICAL COLLEGE OF OHIO CINCINNATI.

Chartered, 1819 ————— Graduates, 4327

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UNIVERSITY OF CINCINNATI.

Department of Medicine.

————— SINCE 1896 —————



Eighty-Eighth Annual Announcement.

SESSION 1906 - 1907.

## Calendar.

Inspection of preliminary credits for entrance certificate by the State Board Examiner, September 24, 25, 26 and 27.

Examination for entrance certificate held by State Board Examiners, September 28 and 29, 1906.

Registration in Medical College of Ohio, September 28 and 29, 1906.

Exercises open, October 1, 1906.

Thanksgiving recess, November 29, 30 and December 1, 1906.

Christmas recess to begin December 21, 1906.

Exercises resumed, January 2, 1907.

Washington's Birthday recess, February 22, 1907.

Examinations to begin May 15, 1907.

Commencement exercises in the first week of June, 1907.

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## Index.

Pre-medical course, of interest to High School students.....	1
Remarkable tables.....	2
Faculty .....	5
Requirements for admission.....	7
Buildings .....	9
Plan of instruction.....	10
Hospitals and hospital appointments.....	23
Text-Books .....	24
Prizes, fees and general expenses.....	24, 26

## Pre-Medical Course.

The fact that a liberal education is necessary to the successful study and practice of medicine, is being recognized more and more by leading authorities in the profession. To enable students, therefore, to obtain both the degrees of Bachelor of Arts, and Doctor of Medicine, in seven instead of eight years, a special pre-medical course of academic studies has been outlined by a joint committee of the two colleges of the University concerned.

The student who completes this course in the College of Liberal Arts, will be able to enter without examination, not only the Medical College of the University of Cincinnati (The Medical College of Ohio), but any of the other great schools of medicine. Under this arrangement, a student on first being admitted to the College of Liberal Arts, must obtain permission from the Dean to elect the pre-medical course, which is so outlined as to enable him to meet the requirements for the degree of Bachelor of Arts in three years. The pre-medical course is as follows:

First Year—	Hours	Second Year—	Hours	Third Year—	Hours
	per week.		per week.		per week.
Zoology .....	5	Chemistry .....	6	Chemistry .....	8
English .....	3	French or German..	3	Biology .....	6
Chemistry .....	5	Physics .....	6	Psychology .....	3
Mathematics .....	4	Biology .....	6	Modern Language...	3
German or French..	3				
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	20		21		20

## Remarkable Tables.

Before entering college, one who contemplates the study of medicine and surgery, must present evidence of preliminary education to a degree prescribed by law.

He must then attend four sessions in a college recognized by the State Board of Medical Examination and Registration, such a college being one whose sessions are each of thirty weeks' actual work (exclusive of holidays and examinations) and of not less than nine hundred hours of work. He must pass each branch with an average of not less than seventy-five and after receiving his diploma he must again be examined by the State Board before he can practice his chosen profession.

In the issue of the *Journal of the American Medical Association*, under date of May 6, 1905, was published a remarkable table of statistics upon the results of Examinations by the Boards of the different states. In an editorial in the same issue it is remarked that "Many lessons can be learned by those sufficiently interested to dig them out."

The prospective student before selecting a college would do well to carefully inspect that lesson which is dug out for his information and presented in the tables which follow:

### Records of Medical Colleges of Ohio.

Graduates of 1899 or previous years examined by the State Boards during 1904:

OF CLEVELAND.		Percentage
		Failures.
Western Reserve Medical College.....		20.0
Cleveland College Physicians and Surgeons.....		33.3
Cleveland Homeopathic Medical College.....		100.0
OF TOLEDO.		
Toledo Medical College.....		100.0
OF COLUMBUS.		
Starling Medical College.....		37.5
Ohio Medical University.....		38.9
OF CINCINNATI.		
Eclectic Medical Institute.....		50.0
Pulte Medical College.....		100.0
Miami Medical College.....		33.3
<b>Medical College of Ohio .....</b>		<b>14.5</b>

Graduates of 1900 to 1904, inclusive, examined by State Boards during 1904:

	Percentage Failures.
OF CLEVELAND.	
Western Reserve Medical College.....	3.4
Cleveland College Physicians and Surgeons.....	.0
Cleveland Homeopathic Medical College.....	23.1
OF TOLEDO.	
Toledo Medical College.....	40.0
OF COLUMBUS.	
Starling Medical College.....	18.4
Ohio Medical University.....	11.9
OF CINCINNATI.	
Pulte Medical College .....	28.6
Eclectic Medical Institute.....	37.0
Miami Medical College.....	15.4
<b>Medical College of Ohio .....</b>	<b>0</b>

Medical College of Ohio compared with other large medical colleges of the United States as to the results of examinations by State Boards during 1904, of graduates, 1900-1904, inclusive, fifty or more examined:

	Percentage Failures.
University of the South.....	49.2
Baltimore College of Physicians and Surgeons.....	28.0
Kentucky School of Medicine.....	27.5
Baltimore Medical College.....	24.5
Barnes Medical College .....	23.5
Western Pennsylvania Medical College.....	16.1
Ohio Medical University (Columbus).....	11.9
Jefferson Medical College.....	10.3
University of Pennsylvania.....	5.9
University of Illinois.....	5.3
University of Michigan.....	4.6
Tulane University .....	4.3
College of Physicians and Surgeons (New York).....	3.2
Columbian University (D. C.).....	3.0
Rush Medical College.....	2.3
Bellevue Hospital Medical School.....	1.7
Johns Hopkins University.....	1.7
Cornell University .....	1.5
Northwestern University Medical School.....	1.4
Harvard University Medical School.....	.0
Vanderbilt University .....	.0*
<b>Medical College of Ohio .....</b>	<b>0</b>

This institution has been officially notified, under date of August 13, 1903, by the Conjoint Examining Boards of the Royal Colleges of Physicians and Surgeons of England, that "it has been added to the list of schools recognized by this Board, whose graduates may be admitted to the final examination, on producing the required certificates of professional study and of having passed a recognized preliminary examination in general education."

There are but few colleges in the United States which have the recognition of the Examining Boards of the Royal Colleges of Physicians and Surgeons of England.

**Board of Directors.**

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**Medical Department, (Medical College of Ohio).**

Clifton Avenue, West of Vine Street.

FREDERICK FORCHHEIMER, M. D., *Dean.*  
 ALBERT V. PHELPS, M. D., *Secretary*, office, Clifton Ave.  
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**College of Liberal Arts, (Burnet Woods Park).**

INCLUDING { THE GRADUATE SCHOOL, AND  
 { DEPARTMENT OF EDUCATION.

**College of Engineering, (Burnet Woods Park).****Cincinnati Technical School, (Burnet Woods Park).****College of Law, (Cincinnati Law School).**

W. P. ROGERS, *Dean*, Ninth St., bet. Vine and Race Sts.

**Dental Department, (Ohio College of Dental Surgery).**

Court Street and Central Avenue.

H. A. SMITH, D. D. S., *Dean.*  
 H. T. SMITH, D. D. S., *Secretary*, 116 Garfield Place.

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For catalogue of the University or any of its departments, address either the Secretary of the University, Burnet Woods Park, or the Secretary of the department concerned.

## Faculty of the Medical Department.

CHARLES WILLIAM DABNEY, LL.D., President.

P. S. CONNER, M. D., LL. D.	215 W. Ninth
Professor of Clinical Surgery.	
SAMUEL NICKLES, M. D.	1406 John
Emeritus Professor of Materia Medica and Therapeutics.	
THAD A. REAMY, M. D., LL. D.	Stockton, Ohio
Emeritus Professor of Obstetrics and Clinical Gynæcology.	
CHAUNCEY D. PALMER, M. D.	Main and Forest Aves., Avondale
Emeritus Professor of Obstetrics, Gynæcology and Clinical Gynæcology.	
FREDERICK PORCHHEIMER, M. D., <i>Dean</i>	S. E. Cor Fourth and Sycamore
Professor of Theory and Practice of Medicine and Clinical Medicine.	
JOSEPH RANSOHOFF, M. D., F. R. C. S.	19 W. Seventh
Professor of Surgery and Clinical Surgery.	
B. K. RACHFORD, M. D.	323 Broadway
Professor of Diseases of Children.	
ALLYN C. POOLE, A. B., M. D.	2606 Woodburn Ave.
Professor of Materia Medica and Therapeutics.	
E. GUSTAV ZINKE, M. D.	13 West Eighth
Professor of Obstetrics and Clinical Gynæcology.	
AUGUST RAVOGLI, A. M., M. D.	5 Garfield Place
Professor of Dermatology and Syphilology.	
STEPHEN C. AYRES, A. M., M. D.	4 West Seventh
Professor of Ophthalmology.	
ALBERT V. PHELPS, M. D. (Secretary)	College Building
Professor of Anatomy and Demonstrator of Anatomy.	
CHARLES L. BONIFIELD, M. B.	N. E. Cor. Fourth and John
Professor of Gynæcology.	
* WILLIAM H. CRANE, B. S., M. D.	20 West Ninth
Professor of Medical Chemistry and Demonstrator of Chemistry.	
BROOKS F. BEEBE, A. M., M. D.	406 Broadway
Professor of Mental Diseases.	
HORACE J. WHITACRE, B. S., M. D.	22 West Seventh
Professor of Pathology and Lecturer on the Principles of Surgery.	
WILLIAM MUEHLBERG, M. D.	13 Garfield Place
Professor of Physiology.	
CHARLES A. L. REED, M. D.	The Groton
Professor of Clinical Gynæcology.	
CHARLES SETH EVANS, B. S., M. D.	5 Garfield Place
Professor of Genito-Urinary Diseases.	
ALBERT H. FREIBERG, M. D.	19 W. Seventh
Professor of Orthopedic Surgery.	
C. R. HOLMES, M. D.	8 East Eighth
Professor of Otolaryngology and Rhinology.	
ROBERT CAROTIERS, M. D.	413 Broadway
Professor of Clinical Surgery.	
JAMES WILLIAM ROWE, A. B., M. D.	20 West Ninth
Professor of Clinical Obstetrics.	
PHILIP ZENNER, A. M., M. D.	S. W. Cor. Fifth and Race
Professor of Neurology.	
H. H. HOPPE, A. M., M. D.	19 West Seventh
Professor of Neurology.	
B. F. LYLE, M. D.	19 West Seventh
Clinical Professor of Diseases of the Thorax.	
A. G. DRURY, A. M., M. D.	704 West Eighth
Professor of Hygiene.	
J. E. GREIWE, A. M., M. D.	32 Garfield Place
Adjunct Professor of Practice and Lecturer on Physical Diagnosis.	
SAMUEL IGLAUER, M. D.	22 West Seventh
Adjunct Professor of Otolaryngology and Rhinology.	

\* Deceased.



## Instructors.

### a) Lecturers.

J. E. GREIWE, A. M., M. D., Lecturer on Physical Diagnosis.  
 HORACE J. WHITACRE, B. S., M. D., Lecturer on the Principles of Surgery.  
 STARR FORD, M. D., Lecturer on Dietetics and Therapeutics.  
 S. P. KRAMER, M. D., Lecturer on the Principles of Surgery.  
 SHALER BERRY, S. B., LL. D., M. D., Lecturer on Medical Jurisprudence.  
 H. K. DUNHAM, M. D., Lecturer on Electro-Therapeutics.  
 H. W. BETTMAN, M. D., Lecturer on the Practice of Medicine.  
 WALTER FORCHHEIMER, A. B., M. D., Lecturer on Clinical Ophthalmology.  
 E. S. MCKEE, M. D., Lecturer on Clinical Gynæcology.

### b) Demonstrators.

\* WM. H. CRANE, B. S., M. D., Demonstrator of Chemistry.  
 WM. MUEHLBERG, M. D., Demonstrator of Physiology.  
 ALBERT V. PHELPS, M. D., Demonstrator of Anatomy.  
 OTIS L. CAMERON, M. D., Demonstrator of Bacteriology.  
 CHAS. M. PAUL, M. D., Demonstrator of Surgery.  
 ALLAN RAMSEY, B. S., M. D., Demonstrator of Clinical Microscopy.  
 MARION WHITACRE, M. D., Demonstrator of Pathology.  
 R. W. C. FRANCIS, A. B., M. D., Demonstrator of Comparative Anatomy.  
 M. SALZER, M. D., Demonstrator of Histology.  
 GREAR H. BAKER, M. D., Demonstrator of Histology.  
 H. K. DUNHAM, M. D., Demonstrator of Electro-Therapeutics.  
 H. L. WOODWARD, M. D., Demonstrator of Embryology.  
 \* Deceased.

### c) Assistant Demonstrators.

H. FREUDENBERGER, M. D., Assistant Demonstrator of Bacteriology.  
 H. L. WOODWARD, M. D., Assistant Demonstrator of Physiology.  
 CHAS. MAERTZ, M. D., Assistant Demonstrator of Anatomy.  
 M. SALZER, M. D., Assistant Demonstrator of Anatomy.  
 G. B. RHODES, M. D., Assistant Demonstrator of Pathology.  
 L. TEDESCHÉ, M. D., Assistant Demonstrator of Electro-Therapeutics.  
 S. R. BENEDICT, Assistant Demonstrator of Chemistry.

### d) Assistants to Chairs.

GEORGE MALSARY, M. D., Assistant to the Chair of Practice.  
 ALLAN RAMSEY, B. S., M. D., Assistant to the Chair of Practice.  
 JOHN MILLER, M. D., Assistant to the Chair of Gynæcology.  
 E. O. SMITH, M. D., Assistant to the Chair of Anatomy (Juniors).  
 WILLIAM LIST, M. D., Assistant to the Chair of Anatomy (Sophomores).  
 GEORGE C. ALTENEIER, M. D., Assistant to the Chair of Anatomy (Freshmen).  
 CARL HILLER, M. D., Assistant to the Chair of Surgery.  
 R. D. MADDOX, M. D., Assistant to the Chair of Hygiene.  
 G. B. RHODES, M. D., Assistant to the Chair of Pathology.  
 H. L. WOODWARD, M. D., Assistant to the Chair of Physiology.  
 GREAR H. BAKER, M. D., Assistant to the Chair of Materia Medica.

### Staff of the College Dispensary,

*Eye Department:* WALTER FORCHHEIMER, M. D.; W. McL. AYERS, B. A., M. D.; JOHN RANLY, M. D.; MICHAEL BEHRMAN, B. A., M. D.  
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*Children's Department:* Chief Clinicians—A. FRIEDLANDER, M. D., and H. L. WOODWARD, M. D. Assistants—WM. F. VILTER, M. D.; MAX DREYFOOS, M. D.; GREAR H. BAKER, M. D.; ROBERT B. COFIELD, M. D., and JOHN P. BENEKE, M. D.

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*Skin Department:* PROF. A. RAVOGLI, M. D.; ELMORE B. TAUBER, M. D.; A. VOS, M. D.; G. H. WERK, M. D.

*Orthopedic Department:* PROF. A. H. FREIBERG, M. D.; CHAS. R. MCCLURE, M. D.

*Genito-Urinary Department:* PROF. CHAS. S. EVANS, M. D.; E. O. SMITH, M. D.

*Obstetrical Department:* PROF. E. G. ZINKE, M. D.; PROF. JAMES W. ROWE, M. D.

*District Associates:* JAMES S. CORBETT, M. D.; P. W. GOOD, M. D.; HENRY BUSCHMAN, M. D.; H. C. ROBINSON, M. D.; W. B. YOUNG, M. D.; L. C. SCHRICKEL, Ph. G., M. D., Pharmacist.

## Requirements for Admission

### Are those of the Ohio State Board of Medical Examination and Registration.

Each applicant will present:

1st. Certificates of good moral character signed by two physicians of good standing in the state in which the applicant last resided.

2d. (1) A diploma or certificate of graduation from a recognized high-school, conducting a four-years course; or (2) evidence of having passed the matriculation examination to a recognized literary or scientific college; (3) a teacher's permanent or life certificate; or (4) a certificate of having successfully passed the medical student's examination conducted by the examiner appointed by the State Board of Medical Registration and Examination.

The nature and extent of this examination in Ohio is as follows:

1. ORTHOGRAPHY.—A sufficient number of words and of such character as will be a thorough test.

2. ENGLISH GRAMMAR.—Embracing the parts of speech, rules of punctuation, the formation of plural and possessive, distinction of gender, classification and properties of verbs, and analysis of sentences.

3. **ENGLISH COMPOSITION.**—Two compositions of not less than two hundred words each; one subject to be assigned, and the other subject to be elective. The composition to be written by the student at the time of the examination. They should be criticised in relation to thought, construction, punctuation, capitalization and hand-writing.

4. **GEOGRAPHY.**—Including some elements of physical geography.

5. **RHETORIC.**—Rules and uses of rhetorical figures.

6. **LATIN.**—Two years of the ordinary Latin course.

7. **ARITHMETIC.**—Such questions should be submitted as will show a clear knowledge of decimal fractions, percentage, compound numbers and square root.

8. **ALGEBRA.**—Through simple equations, and plane geometry.

9. **PHYSICS.**—The questions to include the elements of mechanics, hydrostatics, hydraulics, heat, electricity, and especially of optics and acoustics.

10. **BOTANY.**—Embracing the structures of plants and the principles of their classification.

11. **UNITED STATES HISTORY.**—Boundaries and possessions of the United States, history of the early discoveries, by whom and dates, mode of life of natives; form of government from colonial times down to the present; various wars from Revolution down to the present; causes of same; conditions that led to the Declaration of Independence; Federal Constitution, form of government, various administrations; dates of the most important events during each administration, growth and wealth.

### **Credentials Must Be Submitted to Certified Members of the Board.**

Every medical student in order to comply with the law regulating the practice of medicine in the State of Ohio, shall, before entering a medical college in the State of Ohio, be required to submit his or her credentials for admission to medical college, to one of the certified examiners of the State Board of Medical Registration and Examination. If said certified examiner shall find that the entrance credentials comply with the provisions of Section 4403c of the law regulating the practice of medicine in Ohio, passed April 14, 1900, and the rules of the State Board of Medical Registration and Examination, he shall issue his certificate to that effect. In case a student does not possess the credentials required by Section 4403c of the law regulating the practice of medicine in Ohio, passed April 14, 1900, he shall submit to an examination before said examiner in accordance with the provisions of Section 4403c of the law regulating the practice of medicine in Ohio, passed April 14, 1900, and the rules of the State Board of Medical Registration and Examination, and if this examination is satisfactory, the examiner shall issue his certificate to that effect.

Applicants failing to obtain a general average of 75 per cent, and falling below 55 per cent in but two branches, may be conditioned in such branches.

### **Schedule of Examinations, Friday and Saturday, September 28 and 29, 1906.**

#### **FRIDAY.**

8:00 a. m.	Literature .....	1½ hours
9:30 "	Rhetoric .....	1 "
10:30 "	Composition .....	1 "
<i>Recess, 11:30 a. m. to 1 p. m.</i>		
1:00 p. m.	Physics .....	2 "
3:00 "	Botany, or Zoology.....	1 "

SATURDAY.

8:00 a. m.	Algebra .....	1½	hours.
9:30 "	Geometry .....	1½	"
11:00 "	United States History.....	1	"
Recess, 12 m. to 1 p. m.			
1:00 p. m.	Physiography, or Chemistry.....	1	"
2:00 "	Latin .....	2	"

This examination will be held in Cincinnati by Prof. Wm. T. Harris, Walnut Hills High School. A fee of \$2.00 is charged for the examination and verification of credentials and the issuance of *Ohio Board Certificate*. Credentials for entrance without examination will be passed upon by the Examiner September 24, 25, 26 and 27, between the hours of 1:30 and 3 p. m., at Walnut Hills High School, Ashland and Burdette Avenues.

## Buildings.

The college is located on the McMicken homestead lot, on McMicken Avenue, at the head of Elm Street. This lot has a frontage of three hundred feet, extending back about the same distance to Clifton Avenue. The Lecture and Laboratory building is four stories above the basement, which is itself above ground level, and is constructed of cut stone and brick, with iron stairways and internal finish of the most substantial character.

On the basement floor are small lecture or demonstration rooms, students' sitting room, lockers, X-Ray and electrical laboratory and the dark room for photographic work. On the first floor are the Registrar's office, the Faculty room, museum, and students' reading room. The second floor contains the laboratories of bacteriology, of normal and pathological histology, of physiology, and of embryology, all thoroughly equipped with modern apparatus. On the third floor are two large lecture rooms, furnished with comfortable opera chairs with tablet arms. The fourth floor is occupied by a large dissecting room and chemical laboratory. In immediate connection with these is a lecture room for demonstrations in chemistry and anatomy. The surgical laboratory is also on this floor.

The Dispensary building is a one-story brick structure on the lower extremity of the lot on McMicken Avenue. Its dimensions are 123 by 50 feet. It contains eight small lecture rooms, each with an adjoining waiting room for patients, a dispensing drug room, and a room for necessary chemical and microscopical investigation of the cases daily presenting themselves for treatment.

Although in the center of a densely populated district that affords an immense clinical field, the site of the college building is, nevertheless, upon high ground, commanding a fine view of the greater portion of the city. Ventilation is perfect, and each room so well lighted as to permit all laboratory work to be done by day, even in cloudy weather, without artificial illumination.

## **Plan of Instruction.**

In the four sessions, which constitute a course, about forty-five hundred hours of work are filled; a large proportion of these are devoted to laboratory and clinical study.

The third and fourth years duplicate the clinical courses which accounts for the large number of hours in those years.

**FIRST YEAR.**—Anatomy, lectures 60 hours, recitations 60 hours; animal dissection, 18 exercises of 3 hours each, total 54 hours, and human dissection, 42 exercises of 3 hours each, total 126 hours. Physiology, lectures 90, recitations 30, and 42 laboratory exercises of 3 hours each, total 126 hours. Chemistry, lectures 90, recitations 30, and 42 laboratory exercises of 2 hours each, total 84 hours. Histology, 45 lectures and laboratory exercises combined each of 2 hours, total 90 hours. Bacteriology, lectures 40 hours and 40 laboratory exercises of 2 hours each, total 80 hours.

**SECOND YEAR.**—Anatomy, lectures 60 hours, recitations 60 hours; human dissection, 42 exercises of 3 hours each, total 126 hours. Physiology, lectures 90 hours. Physiological-Chemistry, lectures 30 hours and recitations 30 hours, 57 laboratory exercises of 2 hours each, total 114 hours. Pharmacology and *Materia Medica*, lectures 60 hours, recitations 60 hours; each student must serve two weeks in the drug-room of the dispensary, for which he receives credit for 12 hours laboratory work. Pathology, lectures 60 hours, recitations 30 hours, 60 laboratory exercises of 2 hours each, total 120 hours. Recitations on surgical pathology 30 hours. Hygiene lectures 30 hours. Embryology, lectures 30 hours, laboratory exercises 30 of 2 hours each, total 60 hours.

**THIRD YEAR.**—Anatomy, lectures 90 hours, recitations 30 hours. Therapeutics, lectures 60 hours. Each student must serve 2 weeks in the drug-room of the dispensary, for which he receives credit of 12 hours in laboratory work. Electrotherapeutics, lectures 20 hours, laboratory 40 hours. Dietetics, lectures 30 hours. Surgery, lectures 60 hours; clinics of the college, at the Good Samaritan Hospital and Cincinnati Hospital clinics 180 hours. Medicine, lectures 60 hours, recitations 30 hours, clinics of the college and of the Good Samaritan and the Cincinnati Hospitals, 180 hours. Obstetrics, lectures 60 hours, recitations 30 hours; each student must attend two labors conducted at the Ohio Maternity Hospital to receive credit for clinical obstetrics. Clinical lectures at Cincinnati Hospital 20 hours. Gynecology, clinical lectures at the Good Samaritan and Cincinnati Hospitals, 60 hours. Physical diagnosis, lectures 30 hours, clinical demonstrations, 60 hours. Pediatrics, clinics at Good Samaritan and Cincinnati Hospitals 40 hours. Ophthalmology, clinics 30 hours. Laryngology, Rhinology and Otology, clinics 30 hours. Clinics for nervous diseases, 20 hours. Dermatology, clinics

20 hours. Genito-Urinary clinics 20 hours. Orthopedics, clinics 20 hours.

FOURTH YEAR.—Medicine, lectures 90 hours, recitations 30 hours, clinics of the college, Good Samaritan and Cincinnati Hospital clinics, total 180 hours. Surgery, lectures 60 hours, surgical conference 30 hours, recitations 30 hours, college, Good Samaritan and Cincinnati Hospital clinics, 180 hours, surgical laboratory 60 hours. Pediatrics, lectures 30 hours, clinics 60 hours. Gynaecology, lectures 30 hours, clinics 90 hours. Ophthalmology, lectures 30 hours, clinics 40 hours. Otology, Rhinology and Laryngology, lectures 30 hours, clinics 40 hours. Neurology, lectures 30 hours and clinics 30 hours. Mental diseases, lectures 30 hours. Dermatology and Syphilography, lectures 30 hours, clinics 20 hours. Genito-Urinary diseases, lectures 30 hours, clinics 30 hours. Orthopaedics, lectures 30 hours, clinics 20 hours. Medical Jurisprudence, lectures 30 hours. Medical Zoology and Clinical Microscopy, 90 hours. Obstetrics, lectures 30 hours, clinics 20 hours, and each senior must personally conduct 2 cases of labor to complete his credits in Clinical Obstetrics.

### **Anatomy.**

PROF. PHELPS.

FRESHMEN.—Early in the session, a course in Comparative Anatomy, conducted by Dr. R. W. C. Francis.

Laboratory of Normal Histology, 90 hours. Demonstrators, Dr. M. Salzer and Dr. G. H. Baker.

Human dissection, 126 hours; directed and demonstrated by Prof. Phelps, assisted by Dr. Chas. Maertz and Dr. M. Salzer. Two lectures weekly upon bones, joints, muscles and fasciae. Prof. Phelps. Two recitations weekly upon assigned lessons. Dr. Geo. C. Altemeier.

Lectures and recitations are largely demonstrative, dry and wet preparations being used. In preparing for the recitations, in which much attention is given to the bones individually, the students are advised to obtain bones from the bone library. Apply to Dr. Altemeier, who will require a deposit to insure the safe return of the specimens.

SOPHOMORES.—Human dissection, 126 hours. Prof. Phelps, Dr. Chas. Maertz and Dr. M. Salzer. Descriptive Anatomy, two lectures weekly, considering the brain and cord, the cranial nerves, mouth, pharynx, esophagus, all of the abdominal organs and peritoneum; larynx, trachea, all of the thoracic organs and serous membranes. A freshly prepared and dissected cadaver is used for demonstrations, and, in addition, typical fresh and preserved organs are used for the same purpose. Prof. Phelps. Recitations, two hours weekly upon assigned lessons, Dr. Wm. E. List.



**JUNICRS.**—Three lectures weekly upon Regional or Surgical Anatomy. The entire body is studied and relations are demonstrated by means of a freshly dissected cadaver and also by using preserved wet dissections. These demonstrations, as well as those of the second and first years, are made to groups of threes or fours; thus being demonstrations in fact. Prof. Phelps. One recitation weekly upon assigned lessons. Dr. E. O. Smith.

### **Chemistry.**

PROF. CRANE.

The work in Chemistry consists of lectures and recitations extending through the first two years, supplemented by illustrative laboratory courses.

During the first year there are two lectures a week and two recitations. The greater part of the course is devoted to Elementary Chemistry, with special attention to facts bearing upon the science of medicine. A course in Organic Chemistry is given during the second term. The lectures are illustrated as fully as possible by descriptive experiments. The laboratory work covers the reactions of the commoner acids and bases as an introduction to work in qualitative analysis.

In the second year there is one lecture a week and one recitation. The course supplements the lectures in Physiology and embraces a study of the foodstuffs and the chemistry of the body.

The modern methods of clinical diagnosis are described as fully as possible, with illustratable demonstrations. Special effort is made to present the subject in such a way that it will have a practical bearing upon clinical work. In the laboratory course the experiments follow the lectures and demonstrations.

### **Physiology.**

PROF. MÜHLBERG.

Physiology is taught during the first two years of the college course. Both the didactic and the laboratory methods are employed. During his first year the student listens to the didactic lectures, which are delivered three times a week, and which cover the entire subject. He also prepares one recitation weekly. During the second year three lectures weekly are delivered.

The laboratory instruction is considered an essential part of the teaching. One hundred and twenty-six hours are devoted to physiological physics, and experiments on nerve-muscle circulation, respiration, blood and the central nervous system, are performed by the student himself.

The laboratory is well fitted out with the most modern apparatus. Throughout the course, demonstrations, involving technique too difficult for the student to master, are given by the instructor.

This laboratory work which is given during the freshman year is supplemented by laboratory instruction in physiological chemistry during the sophomore year.

In this manner the whole field of Physiology is covered by the laboratory method.

### **Materia Medica and Therapeutics.**

PROF. POOLE.

In the second year Prof. Poole will give two lectures per week on Pharmacology, and Dr. Baker two recitations a week on *Materia Medica*.

In this course the action and dosage of drugs are particularly emphasized and their therapeutic uses noted.

The instruction in the third year consists of one lecture per week on Therapeutics by Prof. Poole, and one lecture per week by Dr. Ford on Physiologic Therapeutics, including Hydrotherapy, Massage, Mineral Springs, Climatology, etc. Frequent practice in prescription writing is also afforded.

Every student, in both sophomore and junior years, must serve in the drug-room of the dispensary. In the recitations upon *Materia Medica*, specimens of chemicals and drugs, from the large collection made for the purpose, are shown to each student.

Dr. Ford will deliver the lectures on Dietetics and the juniors will receive practical instruction in Electro-Therapeutics and X-Ray work from Dr. H. K. Dunham.

### **Practice of Medicine.**

PROF. FORCHHEIMER.

During the third year Prof. Forchheimer lectures once a week on the acute infections, Dr. Bettman lectures once a week upon gastrointestinal diseases and Drs. Ramsey and Malsbary each conducts a recitation weekly. Prof. Greiwe lectures upon physical diagnosis one hour per week.

During the third and fourth years, six hours weekly are devoted to clinical work in the college dispensary. To the senior class Prof. Forchheimer lectures didactically two hours a week, on diseases of the lungs and heart and clinically once per week at the Good Samaritan Hospital to juniors and seniors.

Prof. Rachford lectures once a week to the fourth year class and Prof. Greiwe gives daily bedside instruction (small classes) at the Good Samaritan Hospital.

### **Surgery.**

PROF. RANSOHOFF.

The surgical instruction embraces recitations, operative surgery on the cadaver and bandaging; didactic instruction and quizzing on the principles and practice of surgery, and surgical clinics,



## *Department of Medicine*

dispensary and hospital. Recitations on surgical pathology are held three times a week during the latter half of the second year, under the charge of Dr. Paul. Didactic lectures during the third year by Dr. Whitacre on fractures, dislocations; diseases of bones and joints, of muscles and tendons; injuries in general, asepsis, antiseptis and surgical technique.

Dr. Kramer will lecture on experimental surgery, surgical bacteriology, infections, surgical tuberculosis, shock; anesthetics, general and local, and surgical diseases of the circulatory system, tumors and clinical diagnosis; didactic lectures on the practice of surgery twice a week during the fourth year by Prof. Ransohoff, with weekly conferences by Prof. Carothers, and instruction by Dr. Hiller on special fractures one hour a week.

An operative course on the cadaver, and bandaging, during the fourth year, under the charge of Dr. Paul. Surgical clinics at the Good Samaritan Hospital are held by Prof. Conner throughout the entire session, and by Prof. Ransohoff during one-half the course—open only to third and fourth year students. Surgical clinics at the Cincinnati Hospital during the entire session, Prof. Ransohoff being on duty one-half the time; dispensary clinics at the dispensary building of the college six times a week throughout the entire year, Prof. Carothers and Drs. Paul and Hiller alternating in attendance.

### **Obstetrics.**

PROFS. ZINKE AND ROWE.

During the fourth year Prof. Zinke will deliver one didactic lecture each week on the pathology of pregnancy, labor and the puerperium and on obstetric operations.

In the third year one didactic lecture will be given weekly by Prof. Rowe on the anatomy and physiology of the female organs of generation and on normal pregnancy and labor. Dr. Woodward will conduct a laboratory course of thirty exercises on embryology. One hour per week will be devoted to recitations and quizzes by Prof. Rowe and Dr. Buttemiller.

Bedside instruction is given at the Maternity Hospital and each junior must be present during the conduct of two labor cases. In the fourth year each student must personally attend two cases of labor furnished by the outdoor obstetric clinic.

### **Pathology.**

PROF. WHITACRE.

General Pathology is taught didactically twice a week, with one recitation, during the second year, and pathological anatomy is studied practically in the laboratory, where the didactic instruc-

tion is more firmly impressed upon the student. Post Mortem examinations are held at the City Hospital and the Sophomores are called upon to attend.

### **Ophthalmology.**

PROF. AYRES.

The systematic instruction in this branch occupies one hour weekly during the fourth year, and is supplemented by Prof. Ayres' weekly clinics at the hospital and by the daily clinic at the college dispensary, which is conducted by Drs. W. M. Ayres, Walter Forchheimer, Behrman and Ranly.

### **Dermatology and Syphilology.**

PROF. RAVOGLI.

The frequency with which the diseases of this department are encountered in practice renders the study exceedingly important. Prof. Ravogli lectures didactically once a week during the fourth year, and, with his assistants, Drs. Tauber, Vos and Werk, gives practical instruction to the class in sections, three times a week, in the college dispensary.

### **Genito-Urinary Diseases.**

PROF. EVANS.

Instruction is carried on didactically and clinically. In the didactic lectures, injuries and surgical diseases of the kidney, pelvis of the kidney, ureter, bladder, prostate, testicles, spermatic cord, penis and urethra, are considered, and the lectures are illustrated by numerous specimens, also by patients from the ambulatory clinic.

Clinical instruction is given daily at the clinic, and the ample material enables students not only to become familiar with this class of diseases, but to also personally treat the cases from the time they enter the clinic until they are discharged.

### **Mental Diseases.**

PROF. BEEBE.

Weekly lectures are given to the Senior Class in which these affections are systematically treated.

### **Neurology.**

Lectures are delivered on nervous diseases once per week by Professors Zenner and Hoppe.

These lectures are illustrated by charts as well as by Pathological specimens, macroscopic and microscopic.

Daily bedside teaching in nervous diseases at the Cincinnati Hospital by Prof. Hoppe.

### **Gynaecology.**

PROF. BONIFIELD.

Prof. Bonifield delivers one didactic lecture a week to the seniors, one clinical lecture each week, to juniors and seniors, at the Good Samaritan Hospital, and one clinical lecture a week, to juniors and seniors, for one-half the year at the Cincinnati Hospital. This course of instruction is supplemented by hours of clinical work in the college dispensary. The juniors and seniors attend all the lectures upon the subject at the City Hospital.

### **Diseases of the Ear, Nose and Throat.**

PROF. HOLMES.

During the fourth year one didactic lecture a week is given on these diseases, together with three clinics a week at the college dispensary. The class in small sections is given personal instruction by Prof. Holmes, Prof. Iglauer and their corps of able assistants in the methods of diagnosis, examination, operation and treatment of the large number of cases presenting themselves.

### **Diseases of Children.**

PROF. RACHFORD.

One weekly didactic lecture, in the fourth year, together with hospital lectures by Prof. Rachford and class work in the dispensary, conducted by Dr. Friedlander, Dr. Woodward and their assistants, familiarizes the student with every phase of this important branch.

### **Orthopedic Surgery.**

PROF. FREIBERG.

During the fourth year one lecture per week is given by Prof. Freiberg. A complete collection of orthopedic apparatus is used by way of illustration. The course is demonstrated clinically in the dispensary to small sections of the class.

### **Hygiene.**

PROF. DRURY.

The students of the Sophomore Class are given one lecture per week upon personal hygiene and the prevention of transmissible diseases; municipal hygiene concerning the water supply, sewerage, and the disposal of garbage, and upon food adulterations.

## **The Chemical Laboratory.**

The laboratory work is divided into two courses, which are arranged to illustrate the didactic lectures in chemistry.

1. **Elementary Chemistry**—This course consists of experiments in organic Chemistry, and a preliminary study of the commoner acids and bases. It is intended for those who have had no practical work in the subject.

2. **Physiological Chemistry**—The work of this course is devoted to the Chemistry of the tissues and secretions. The plan adopted is to review briefly the reaction of the proteids and carbohydrates, and then to study the more important secretions. Practical illustration is given of those methods of clinical diagnosis which require familiarity with chemical manipulation.

The work in the laboratory is preceded by an informal talk or demonstration, and at the end of the term an examination is held upon the subjects covered by the course.

## **Histological Laboratory.**

The aim of this course is to inculcate a thorough knowledge of minute anatomy, and render the student familiar with laboratory technique. Physiology and pathology are incomprehensible without a previous course in Histology, and it is therefore placed at the very beginning of the curriculum. The course consists of forty-five exercises of two hours each, including lectures, demonstrations and recitations on each subject. The laboratory is perfect in light and equipment. Microscopes and re-agents are provided. The course is conducted by Drs. Salzer and Baker, and will begin October 1, 1905. Clarkson's Text Book of Histology.

## **Pathological Laboratory.**

In the Laboratory of Pathological Histology each student is given about one hundred carefully selected and stained specimens, which he mounts for study and retains for future reference. These specimens are studied by the aid of the projection microscope which throws the specimen to be studied on the screen, while the student is viewing the same specimen under his microscope. This leaves no room for misinterpretation of any part of the specimen and furthermore the demonstration is uniform to every student. After a study of each specimen the student is required to make an accurate drawing of the lesion and make the necessary notes.

The systematic course opens with a study of degeneration. This is followed by a study of inflammation in the frog's omentum,

in the living animal, and in carefully selected sections from man. Tumors are demonstrated from the point of view of differential diagnosis and the evidences of malignancy. The remainder of the course is devoted to a study of the lesions of the viscera as they occur in the various infectious diseases, with especial reference to their relationship to micro-organism. Each student is furnished with a microscope and reagents.

The laboratory is under the direction of Dr. Marion Whitacre, assisted by Dr. G. B. Rhodes.

### **Bacteriological Laboratory.**

The work in this department is entirely practical. The student is supplied with culture tubes, which he inoculates with cultures furnished, thus working with his own set of cultures. The stock of cultures is constantly renewed and increased, and contains all the important pathogenic bacteria capable of cultivation, and many interesting non-pathogenic varieties. Special attention is given to the clinical diagnosis of tuberculosis, typhoid fever, diphtheria, and gonorrhœa. The laboratory is well equipped as to apparatus and microscopes, and will, as heretofore, be conducted by Drs. O. L. Cameron and H. Freudenberger. Text books: Park McFarland, Lehman and Neumann, Williams, Abbott.

### **Surgical Laboratory.**

In this department the senior student is given the opportunity to demonstrate upon the living subject those principles set forth in the didactic lectures. The work embraces:

(1) A full course in the treatment of fractures and dislocations, the student applying the various forms of dressing and splints upon living models; (2) a course in bandaging; (3) local and general anæsthesia; (4) mechanical treatment of deformities—Potts' disease (actual cases handled); (5) use of stomach tube, sound, electrodes, etc.; (6) Catheterization, sounding, bladder lavage, tapping, etc.; (7) douching, tamponing, etc.; (8) preparation patients, dressings, instruments for operation; (9) preparation and preservation dressings, ligatures, drains, etc., asepsis and anti-sepsis; (10) the term ends with a course in operative surgery in which the student, under direction, does minor and major surgery upon the cadaver.

This department is conducted by Dr. Charles M. Paul, Demonstrator of Surgery.

### **Physiological Laboratory.**

The Physiological Laboratory has been thoroughly equipped with modern apparatus. The physiology of the circulation, res-

piration, muscle, nerve, central nervous system, etc., will be taught by experiments on animals.

The practical experience which the student derives from these experiments will be of the greatest assistance to him in acquiring an accurate knowledge of the physiology of the human body.

The laboratory will be conducted by Professor William Muehlberg during the latter half of the student's first year.

### **Laboratory of Clinical Microscopy.**

In the course for the senior class in Clinical Microscopy, conducted by Dr. Ramsey, are taken up those subjects which are of greatest importance in the matter of microscopic diagnosis.

The early part of the demonstrations is devoted to microscopic examinations of the blood, including the blood count, the differential count, the characteristics of anæmia, chlorosis, leucocytosis, leukaemia, pernicious anæmia, the various malarial organisms in the unstained as well as in the stained condition.

Later on, special attention is paid to the microscopic diagnosis of the gastro-intestinal tract, including diphtheria and the microscopic examination of fæces, intestinal parasites and their ova. Furthermore, a thorough examination of diseased conditions of the genito-urinary tract, with special attention to urinalysis; also an examination of sputum and parasitic skin diseases.

Diagnosis of pathological new formations to determine the nature of new growths complete the course.

The material is quite abundant from cases in private practice, and from the laboratory in the curator's department of the hospital.

### **The Practical Anatomy Department.**

The rooms are remarkably well adapted for the purposes to which they are devoted, being thoroughly equipped and well arranged. There is always an abundance of fresh material, kept in cold storage, the material being previously embalmed. There are none of those unpleasant features about the work experienced where the old brine method is used.

The course in Comparative Anatomy, which is open to the freshman class, is entirely of a practical nature. Here the men are instructed first in the handling of the scalpel, the forceps and other instruments which are used not only in post-mortem work, but in operative procedures later on, and second, they become familiar with the appearance, location and names of the various tissues and organs of the body. As a result of this the student is vastly better qualified to begin the study of human anatomy. The cat is used as the subject in this course. The text book used is "A Laboratory Guide for the Dissection of the Cat" by Gorham and Tower. This course is conducted by Dr. R. W. C. Francis.



## **Electro-Therapeutic Laboratory.**

The equipment is complete. The course consists of thirty exercises of two hours each, a combination of didactic and demonstrative instruction.

Didactically, the theories and principles of the various currents are taught; practically, the apparatus is shown and explained, but stress is put upon the clinical uses of electricity and the X-Ray, and for these demonstrations patients from the dispensary are used, so that the student becomes familiar with the value (and limitations) of the X-Ray in diagnosis and treatment. The course is conducted by Dr. H. K. Dunham, assisted by Dr. Leon G. Tedesche.

## **Embryological Laboratory.**

The course will consume 30 exercises of 2 hours each and will combine lectures, recitations and demonstrations.

Each student will be given stained specimens for microscopic study, illustrating development from the time of conception until the adult formation is indicated, and will be expected to make a series of drawing from these.

This study will be carried on mainly with the chick, but as far as possible the human embryo will be employed.

The laboratory is under the direction of Dr. H. L. Woodward.

## **Pharmaceutical Laboratory.**

To secure the necessary credits in Pharmacology the student must serve two weeks in the sophomore year and again two weeks in the junior year under the direction of Dr. L. C. Schrickel. In this course the student becomes familiar with the appearance of drugs, their incompatibles, solvents, etc.

## **Clinical Facilities.**

Students of the Medical College of Ohio enjoy privileges that cannot be equalled in the West, and probably are not excelled anywhere. At the Good Samaritan Hospital and the College Dispensary they see the various surgical operations performed, and the different manifestations of disease pointed out by members of the College Faculty. The Cincinnati Hospital, where daily clinics are held, is open alike to all the students of the city, and students of the College will also be expected to attend the lectures at this institution during their junior and senior years.



## **The College Dispensary**

Which is free to all students of the College, is open daily, and clinical lectures are delivered on the cases which present themselves every afternoon. The juniors and seniors attend the clinics in orderly sequence according to a schedule dividing the classes into small groups. Over twelve thousand cases being investigated and treated yearly, including all forms of disease, often even the rarest, every day very important clinical material is brought before the class. In order to utilize to the fullest extent this vast charity, the Faculty has erected the large building elsewhere referred to, and fitted up rooms for the reception and accommodation of patients. The clinics will be conducted in the various departments at the same hour each afternoon, and students of senior and junior classes are assigned for fixed periods to these various departments. In this way students may hear each afternoon members of the Faculty and their assistants lecturing upon and demonstrating diseases in all the various departments of medicine. These clinics are features thoroughly appreciated by the large classes of each session, and a large share of the reputation of the institution is due to the thorough manner in which the practical teaching in these rooms has been conducted.

This class of dispensary cases—the minor surgical, the “walking” medical cases, the chronic cases, etc., is just the class that will form the bulk of the work for the young practitioner during his first few years, at least.

THE MEDICAL CLINIC consists of a waiting room, a small amphitheater for fifty students and a room for microscopical and chemical examinations. There present themselves twelve to twenty new cases daily, making about five thousand a year. In pulmonary, cardiac, gastro-intestinal, hepatic, renal, malarial, exanthematic, etc., every variety of walking cases is seen, and Professor Greiwe and Drs. Stix and Fihe and their assistants, in addition to their clinical lectures, give students opportunities to make physical examinations. Students are expected to procure their own stethoscopes, thermometers, etc.

THE SURGICAL CLINIC has a waiting room and a small lecture room, seating about forty. Here is presented every variety of minor surgery, accidents, venereal cases, rectal diseases, etc. The clinic is conducted by Prof. Carothers, Dr. Paul and Dr. Hiller and their assistants.

THE CHILDREN'S CLINIC.—Nearly one thousand new cases are treated annually. This class, in small subdivisions, has direct charge of the examination, treatment and record of these cases,

under the supervision of Drs. Friedlander and Woodward and their assistants. Each variety of infantile disorder is seen during the term.

**THE GYNAECOLOGICAL CLINIC.**—All of the large number of diseases peculiar to women are ocularly, and many of them physically examined by the class in subdivisions, and the greater majority of gynaecological operations are performed in their presence. The staff of this department consists of Profs. Zinke and Rowe, and Drs. McKee, Miller, Speidel, Podesta, Ashfield and Buttemiller.

**THE OBSTETRICAL CLINIC.**—Prof. Zinke, with the assistance of Prof. Rowe, continues to conduct the outdoor obstetrical clinic, and illustrates upon the living the clinical features of pregnancy, labor and confinement at the Ohio Maternity Hospital. Members of graduating class are given opportunities of witnessing and conducting cases of labor at the homes of patients, as well as witnessing the diseases of pregnancy and cases of parturition at this hospital. During the past session one hundred cases of confinement were attended by members of the graduating class.

**THE EYE CLINIC** has a waiting room, lecture room, and a dark room, with a twenty-foot range for refraction work, and three stalls, with adjustable Argand burners for ophthalmoscopic work. Twelve hundred new cases are treated annually. Daily lectures are given by Drs. Forchheimer, Wylie M. Ayres, Ranly or Behrman. All commoner diseases are presented in abundance. Prof. Ayres also lectures here once a week.

**THE EAR, NOSE AND THROAT CLINIC** has, in addition to the usual waiting room and clinical amphitheater, an apartment furnished with specially constructed individual stalls and lights for the training of divided classes of students in the technique of examination and treatment of the ear, nose and throat. Several hundred cases are treated annually. Professor Holmes, Prof. Iglauer, Drs. Hinnen, Mithoefer and Stoll conduct the clinic. The equipment of this clinic is unexcelled, and students are required to make many of the minor operations.

In the **NERVOUS DEPARTMENT** clinics are held twice a week by Profs. Zenner and Hoppe and Dr. Hildebrandt. The student has an opportunity to familiarize himself with all forms of organic and functional disease of the nervous system, and with the use of electricity, with appliances for which this department is thoroughly furnished.

**THE SKIN CLINIC** is conducted by Prof. Ravogli, assisted by Drs. E. B. Tauber, A. Vos and G. H. Werk, who, in three clinics per week, are able to demonstrate all of the common, and many of the rare affections.

THE ORTHOPEDIC CLINIC, conducted by Prof. Freiberg, assisted by Dr. C. R. McClure, is held twice weekly, and gives opportunity for demonstrating the important conditions amenable to ambulatory orthopedic treatment.

THE GENITO-URINARY CLINIC has been rendered necessary by the large number of these cases heretofore attending the surgical department. In this separate division, conducted by Prof. Evans, Dr. E. O. Smith and their assistants, abundant opportunity will be given for practical demonstration of the diseased conditions taken up systematically in their didactic hours.

DISEASES OF THE THORAX.—Dr. Lyle gives clinical instruction to small classes upon the diseases of the thorax, using selected cases. Particular attention is given to pulmonary tuberculosis, and the student is taught all the methods of physical examination upon the patients presented.

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## **Hospitals and Hospital Appointments.**

### **The Good Samaritan Hospital.**

The clinical instruction of this important hospital is conducted exclusively by the Faculty, as follows: Professor Ayres and Dr. Walter Forchheimer, Clinical Ophthalmology; Professor Holmes, Otology; Professor Connor, Clinical Surgery; Professor Forchheimer, Clinical Medicine; Professor Bonifield, Clinical Gynæcology; Professor Rachford, Clinical Diseases of Children; Professor Ransohoff, Clinical Surgery.

The Good Samaritan contains about four hundred beds, the number having been considerably increased by the additional buildings erected recently. There is also, as a tributary, an outdoor department in connection with the hospital, adding materially to its resources. An abundance of clinical material is thus afforded both in the departments of medicine and surgery. The clinical instruction at the bedside will be conducted by Prof. J. E. Greiwe, physical diagnosis being taught practically. Two half days of each week are devoted to clinical lectures (which are free to students of this college).

Students of this college only are eligible for internship in the Good Samaritan Hospital. There are four positions filled anew annually.

### **The Cincinnati Hospital**

Is the largest public hospital in the city, about 9,000 cases yearly, where students of all medical schools are admitted on equal terms. Two hours daily are devoted to clinical instruction by the hospital staff. Students of the Medical College of Ohio will here receive

practical instruction from a number of their own Faculty—the College being represented on the staff by Prof. Ransohoff in the Surgical, Profs. Poole and Rachford in the Children's, Dr. Hoppe in the Neurological, Prof. Ravogli and Prof. Evans in the Dermatological, Profs. C. A. L. Reed and C. L. Bonifield in the Gynæcological, Prof. Freiberg in the Orthopedic, and Prof. Greiwe, Prof. Whitacre and Prof. Rowe in the Pathological departments. Students of the College are expected to attend the clinical lectures of this institution during their last two terms. Bedside instruction (to advanced students) will be carried on by the staff throughout the session, thus many hours of valuable instruction are received over and above those required for clinical credits.

### **Mt. Auburn Hospital for Children.**

Dr. Ramsey will give bedside instruction to small classes weekly.

### **German Deaconess' Hospital.**

Prof. Zinke once a week will give bedside instruction to small groups.

## **Prizes.**

**FACULTY PRIZES.**—A gold medal is awarded annually by the Faculty to the student passing the best final examination.

Honorable mention is made at the Commencement Exercises of the two candidates ranking next in this final examination.

**HOSPITAL POSITIONS.**—Resident physicians to six different hospitals in the city and vicinity are selected annually by competitive examination. Students of this college alone are allowed to compete for the positions in the Good Samaritan Hospital. The other positions are open to students of any regular school in the city. As in evidence of thoroughness in preparation over fifty per cent of the graduates each year secure hospital positions. For list see report of Commencement Exercises.

## **Text-Books.**

The Faculty would recommend one or other of the following text-books in the several departments:

**PRACTICE OF SURGERY.**—American Text-book of Surgery, Bryant's Operative Surgery; Stimson's Operative Surgery.

**PRINCIPLES OF SURGERY.**—American Text-book of Surgery, Walsham, Park, Wyeth, DaCosta, International Text-book.

**OBSTETRICS.**—American System of Obstetrics, Davis, Hirst, Edgar, Webster, Williams, King, Jewett.

PHYSIOLOGY.—American Text-book of Physiology, Kirke, Howell.

THEORY AND PRACTICE.—Osler (text-book), Pepper's American system, Nothnagel, Tyson, Anders, French, Forchheimer.

MATERIA MEDICA AND THERAPEUTICS.—Cushny (as the text-book); Cohen's System of Physiologic Therapeutics; Hutchison's Food and Dietetics; Kellogg's Hydrotherapy.

FOR COLLATERAL READING.—Shoemaker, Butler, Wood.

ANATOMY.—

*Dissectors*, Cunningham, Holden.

*Regional*, Class recitations, Treves; reference, Woolsey.

*General Work*, Cunningham, Morris, Gray.

CHEMISTRY.—Bartley, Simon, Crane, Hammarsten, Simon's Clinical Diagnosis.

DISEASES OF THE EYE.—DeSchweinitz, Fuchs, Ball, Hansell and Sweet, May and Veasey.

PATHOLOGY AND PATHOLOGICAL ANATOMY.—Delafield and Prudden, Stengel, Cattell's Postmortem Pathology.

DISEASES OF WOMEN.—Herman, Dudley.

GYNAECOLOGY.—Dudley, Penrose, Garrigues, Keating, Coe, Montgomery, Reed.

DISEASES OF CHILDREN.—Holt, Koplik, Rachford (Neuroses of Childhood).

PHYSICAL DIAGNOSIS.—Sahli, Boston, Cabot.

DIAGNOSIS.—Musser, Simon, v. Leube, Lenhartz.

EAR.—Politzer, Bacon, Dench, Buck, Howell, Brühl.

DISEASES OF THE THROAT AND NOSE.—Kyle, Coakley, Burnett, Bosworth, Brown, Bishop, Ingalls and Newcomb, Grayson, Wright, Knight.

ORTHOPEDIC SURGERY.—Whitman, Bradford and Lovett.

MEDICAL DICTIONARY.—Dunglison, Gould, Lippincott, Dorland's American Dictionary.

BACTERIOLOGY.—Abbott, McFarland, Fränkel, Sternberg.

DERMATOLOGY.—Kaposi, Duhring, G. T. Jackson, Stelwagon. For reference, Crocker.

SYPHILOLOGY.—Hyde and Montgomery, Robt. W. Taylor, White and Martin.

NERVOUS AND MENTAL DISEASES.—Church and Peterson, Dana, Oppenheim and Mills.

EMBRYOLOGY.—Heisler.

HISTOLOGY.—Clarkson, Boehm and Davidoff, Stirling, Schaeffer, Stoehr.

HYGIENE.—Abbott, Egbert, Bergey.

GENITO-URINARY DISEASES.—Morton, Lydston, White and Martin, American Text-book.

## Requirements for Advancement.

Students are advanced from one class to the next by a vote of the Faculty, based on their standing in the pass-examinations, and on the record of their work for the year.

## Requirements for the Degree.

1. The candidate must produce satisfactory evidence of good moral character, and of having attained the age of twenty-one years.
2. He must have pursued medical studies for four years, and attended four annual courses of lectures of not less than thirty weeks' duration each in separate years, the last one of which must have been in the Medical College of Ohio.
3. He must have pursued the study of practical anatomy under the direction of the demonstrator for 306 hours; must have completed satisfactory courses of practical work in the Histological, Embryological, Physiological, Chemical, Bacteriological, Pathological, Surgical, Electro-Therapeutic laboratories and the laboratories of Clinical Microscopy and of Pharmacology.
4. He must have received clinical instruction (hospital) during two years of his attendance.
5. He must have attended at least two cases of labor under the direction of the professor of obstetrics, and must have conducted two cases personally.
6. He must have passed, to the satisfaction of the Faculty, the prescribed examinations of the course.

## Tuition Fees and Expenses.

The matriculation fee of \$5.00 is payable but once. The annual tuition fee, for each of the four courses, is \$125.00, *entitling the student to all didactic lectures, recitations, required laboratory courses, and dissections of his class.*

Members of advanced classes will be required to attend hospital clinics, the ticket for which will cost \$5.00 at the City Hospital, but is free (to our students) at the Good Samaritan Hospital. The graduation fee is \$25.00.

A deposit of \$5.00 is required at the beginning of each session to cover the cost of damage to the college furniture, etc., and any excess above such breakage will be returned at the end of the course.

The fees of the College, as published, are inflexible, no "special rates" of tuition are ever given and no refunders made.

## Miscellaneous Information.

EXPENSES OF LIVING IN CINCINNATI, ETC.—The expenses of living will, of course, vary with the tastes and habits of the student. Good board, with lodging, may be obtained at from \$5.00 to \$6.00 per week. Board ranges from \$3.00 to \$6.00 per week; comfortable rooms from \$5.00 to \$10.00 per month. The economical student, by furnishing his own room and providing for himself, may reduce these expenses considerably. The janitor of the college buildings



will furnish students with a list of boarding houses, and will aid them in securing comfortable quarters. Members of the class should arrange to have their remittances (for tuition and living expenses) sent in the form of post-office money order, or draft on Cincinnati or New York banks, and thus be spared the annoyance and expense of identification and of collection charges.

THE CINCINNATI PUBLIC LIBRARY will be open to the students during the Library hours. The Library is well supplied with the most recent text-books in all departments, and with the principal weekly, monthly and quarterly medical periodicals published in all parts of the world. The student will find here everything in medical literature which he can utilize.

CINCINNATI HOSPITAL LIBRARY.—The library contains at present 17,575 bound volumes and pamphlets, consisting chiefly of complete files of the leading medical periodicals of this country and Europe, and also of the most important encyclopaedic works. The library is open for reference from 8 to 12, and from 2 to 5, daily. The use of it is free to all physicians, medical students and citizens. In completeness and usefulness it is surpassed by only one or two libraries in the West. Dr. P. S. Conner is the librarian; P. Alfred Marchand, registrar and custodian. Books may be taken from the Hospital by members of the Hospital Staff only. About \$1,000 is expended annually for the support of the library. It is constantly being enriched by gifts.

THE WHITTAKER MEDICAL LIBRARY, the bequest of Dr. James T. Whittaker to the Medical College of Ohio, comprises 1,547 volumes and 538 pamphlets.

HOW TO REACH THE COLLEGE.—Students who desire to go direct to the College should take the College Hill and Main Street line at Fountain Square. The Vine Street electric cars will let off passengers at Clifton Avenue, one block from the College Buildings.

For additional information, address

ALBERT V. PHELPS, M. D., *Secretary*.  
Medical College of Ohio, Clifton Ave., Cincinnati.

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## **Commencement Exercises.**

For the first time in the history of the University of Cincinnati a joint commencement of all the departments of the institution was held June 1, 1906. Music Hall was well filled and the spacious auditorium looked like a mammoth flower garden. The graduation exercises were preceded by an imposing procession of Faculty, distinguished visitors and graduates in cap and gown.



## The Degree of Doctor of Medicine Was Conferred On

AUSTIN, HOWARD H., A. B., A. M., M. D.....Ohio	McKAY, ROY HAYMAN, West Virginia
BATTE, JOHN THOMAS. Kentucky	MICKLETHWAIT, OSCAR RICHARD .....Ohio
CALDWELL, JOHN HADLEY, Kentucky	MYERS, WILLIAM P.....Ohio
DETRICK, FRANK E.....Ohio	NEAL, WILLIAM E.....Ohio
DOERR, CHARLES E.....Ohio	NELSON, HARRY G.....Indiana
DU BOIS, CHAS. CLIFFORD, A. B.....Indiana	NEWMAN, OSCAR CLARENCE, M. D.....Oklahoma
FIRTH, ROBERT HARRY.....Ohio	NORTH, EMERSON A.....Indiana
FISK, DANIEL AUGUSTUS, Ph. B.....Wisconsin	PALMER, DUDLEY WHITE, B. S.....Ohio
FREILICH, JOSEPH NATHAN. Ohio	PRIBBLE, EUGENE B.....Illinois
FRIESLEBEN, WILLIAM, B. S., Illinois	RICKER, ELBRIDGE GERRY. Ohio
GHAZULI, AYAD ABDULLA, B. A.....Egypt	ROBINSON, WILBUR.....Indiana
HETERICK, ROBERT H.....Ohio	ROCKHILL, CHARLES SUM- NER .....Ohio
IRETON, FRANK A.....Ohio	RUNYAN, RAYMOND W.....Ohio
LAHAM, AMIN T.....Palestine	SCHULTZ, LOUIS HUBER...Ohio
LUSHER, HOMER VIRGIL...Ohio	TOWNSEND, CALVIN E.....Ohio
McGUIRE, LEE W.....Ohio	TUECHTER, JACOB LOUIS, A. B.....Ohio
	WALLENSTEIN, MILLARD...Ohio

### Medical Department Prizes.

The largest number of awards, which included internships in various public and private hospitals were in the Medical College of Ohio, the University Department of Medicine. The successful contestants were:

*Prof. Holmes'* prize for best Final Examination in Otology, Rhinology and Laryngology—Ten dollars in gold, awarded to *Dr. Elbridge G. Ricker*, Mt. Carmel, Ohio.

*Prof. Holmes'* prize for best Synopsis of His Lectures—Twenty dollars in gold, awarded to *Dr. Robert H. Firth*, Dayton, Ohio.

*Prof. Freiberg's* prize for best Final Examination in Orthopedic Surgery—A case of instruments, awarded to *Dr. Charles C. DuBois*, Liberty, Ind.

*Prof. Bonifield's* prize for best Final Examination in Clinical Gynæcology—A case of instruments, awarded to *Dr. Dudley W. Palmer*, Cincinnati.

*Prof. Zinke's prizes for Excellence in Outdoor Clinic*—Cases of instruments, awarded to *Dr. Robert H. Heterick*, Georgetown, Ohio, and *Dr. Wilbur Robinson*, Sunman, Ind.

*Faculty prize for best Final Examination in all departments*—A gold medal, awarded to *Dr. Dudley W. Palmer*, Cincinnati.

*Honorable Mention*—*Dr. John T. Batte*, Cynthiana, Ky., and *Dr. Elbridge G. Ricker*, Mt. Carmel, Ohio.

*Dr. Paul's prize for best Examination in Surgical Pathology*—Pocket case of instruments, awarded to *Joseph H. Shaw*, Cincinnati.

*Resident Physicians, Cincinnati Hospital*—*Dr. Charles E. Doerr*, Cincinnati; *Dr. Dudley White Palmer*, Cincinnati; *Dr. John T. Batte*, Cynthiana, Ky., and *Dr. Elbridge G. Ricker*, Mt. Carmel, Ohio.

*Resident Physicians, Christ's Hospital*—*Dr. Charles C. DuBois*, Liberty, Ind.; *Dr. Jacob Tuechter*, Cincinnati, and *Dr. Raymond W. Ruinyan*, Hyde Park.

*Resident Physician, St. Mary's Hospital*—*Dr. Oscar R. Micklethwait*, Portsmouth, Ohio.

*Resident Physicians, Jewish Hospital*—*Dr. Emerson A. North*, Rising Sun, Ind.; *Dr. Homer V. Lusher*, Mercerville, Ohio; *Dr. Millard Wallenstein*, Cincinnati, and *Dr. Lee W. McGuire*, Olive Branch, Ohio.

*Resident Physicians, Good Samaritan Hospital*—*Dr. Robert H. Heterick*, Georgetown, Ohio; *Dr. Charles S. Rockhill*, Lima, Ohio; *Dr. William E. Neal*, Bradrick, Ohio, and *Dr. John Caldwell*, Newport, Ky.

*Resident Physician, St. Mary's Hospital, Pueblo, Col.*—*Dr. Daniel A. Fisk*, Sparta, Wisconsin.

*Resident Physician, German Deaconess Hospital*—*Dr. Willard Robinson*, Sunman, Indiana.

*Resident Physician, St. Elizabeth's Hospital, Dayton, Ohio*—*Dr. William Friesleben*, Pontiac, Ill.

*Resident Physicians, National Jewish Hospital, Denver Colo.*—*Dr. Harry G. Nelson*, Rising Sun, Ind., and *Dr. L. Huber Schultz*, Cincinnati.

*Clinicians Outdoor Obstetric Department*—*Mr. Harry McCord*, Cincinnati, and *Mr. Aleshire Neal*, Norwood.

## Matriculates, 1905-1906.

### Freshmen.

NAME.	STATE.	PRECEPTOR.
Adams, Edwin M.....	New Hampshire.	
Al Ashkar, Jos. Paul.....	Syria.....	
Applegate, Matthew.....	Kentucky.....	
Blair, Faris M.....	Ohio.....	
Bowdle, R. A.....	Utah.....	R. W. C. Francis, M. D.
Butt, Charles E.....	Ohio.....	S. E. Butt, M. D.
Culbertson, Miss Keren....	Washington....	
Dorger, Philip.....	Ohio.....	F. Erdhaus.
Du Casse, Ralph.....	Ohio.....	Chas. Maertz, M. D.
Ertel, Robert J.....	Kentucky.....	J. A. Averdick.
Estermann, J. R.....	Ohio.....	C. H. Gumley, M. D.
Fogel, E. Israel.....	Ohio.....	
Gaines, B. W.....	Kentucky.....	
Gray, Joseph.....	Kentucky.....	T. Brand, M. D.
Hyndman, Howard C.....	Ohio.....	A. V. Phelps, M. D.
Irvin, James.....	Ohio.....	
Lurie, H. Louis.....	Ohio.....	
Miller, Alvin C.....	Ohio.....	
Mombach, Gilbert.....	Ohio.....	Drs. S. Rothenberg and S. Iglauer.
McVay, Frederick.....	Ohio.....	
Mussey, Noel G.....	Ohio.....	
Prince, John Henry.....	Ohio.....	L. M. Norman, M. D.
Querner, Lewis.....	Ohio.....	L. A. Querner, M. D.
Ramsey, Thos. LeRoy.....	Kentucky.....	
Ravine, William.....	Ohio.....	
Schott, William.....	Ohio.....	
Smith, Miss Edith.....	Kentucky.....	
Snead, Walter.....	Ohio.....	Drs. Dimond and Spencer.
Stammel, August, Jr.....	Ohio.....	C. A. Stammel, M. D.
Strathmann, Wm. Henry....	Ohio.....	A. V. Phelps, M. D.
Wagner, Edward A.....	Ohio.....	G. A. Fackler, M. D.
Wenger, George W.....	Ohio.....	Drs. Snively and Snively.
Wolf, Sigmund.....	Ohio.....	

### Sophomores.

Abraham, Aziz.....	Egypt.....	
Ailes, Arlington.....	Ohio.....	
Allgaier, Edward.....	Ohio.....	S. A. Allgaier, M. D.
Brubaker, Elber R.....	Ohio.....	
Casey, Ott.....	Indiana.....	
Dauch, Sophia.....	Ohio.....	
Davis, Allen C.....	Ohio.....	
De Courcy, J. Fred.....	Ohio.....	W. E. De Courcy.
Donnelly, Charles.....	Kentucky.....	
Fox, Alexander J.....	Ohio.....	
Glenn, Thomas J.....	Kentucky.....	
Heffner, Frank.....	Ohio.....	Ed. F. Heffner, M. D.
Howard, Charles E.....	Ohio.....	
Hull, Wm. Harry.....	Ohio.....	
Light, Arthur.....	Ohio.....	
Morrow, Miss Florence....	Ohio.....	

NAME.	STATE.	PRECEPTOR.
Monroe, Frazer F.....	Kentucky.....	H. E. Monroe, M. D.
Mussey, Robert D.....	Ohio.....	
Schlanser, A. E.....	Ohio.....	
Schomaker, George H.....	Ohio.....	
Shaw, Joseph Hughes.....	Ohio.....	W. E. Shaw, M. D.
Silver, Arthur.....	Ohio.....	D. R. Silver, M. D.
Stewart, Wm. Thomas.....	Ohio.....	
Strasser, Emil M.....	Ohio.....	
Stueve, Amos E.....	Ohio.....	O. F. Hildebrant and J. H. Wilms.
Stump, Erra D.....	West Virginia...	G. C. Schoolfield, M. D.
Whiteley, Stanley M.....	Ohio.....	B. M. Ricketts, M. D.
Yeager, Wm. S.....	Kentucky.....	T. E. Keelor, M. D.

### Juniors.

Bergen, F. L.....	Illinois.....	E. O. Laughlin, M. D.
Blissard, J. Morton.....	England.....	
Brumm, Fred H.....	Ohio.....	L. D. Brumm, M. D.
Coate, Charles R.....	Ohio.....	
Coulter, Thomas B.....	Ohio.....	
Dickson, Thomas.....	Ohio.....	
Dos, Ermia.....	Egypt.....	
Downing, Robt. Lester.....	Ohio.....	W. E. Hover, M. D.
Enz, Edwin W.....	Ohio.....	
Ertel, Edward.....	Ohio.....	
Fisk, Owen C.....	Kentucky.....	J. E. Greiwe, M. D.
Hossler, William H.....	Ohio.....	
Hottendorf, Lewis T.....	Ohio.....	
Hulsman, Louis T.....	Indiana.....	
Glaser, Edward M.....	Indiana.....	G. B. Buckingham, M. D.
Guthrie, Austin Lee.....	Ohio.....	
Kennedy, Joseph T.....	Ohio.....	
Kleckner, Ralph.....	Ohio.....	J. B. Kleckner, M. D.
Leeds, H. Nelson.....	Ohio.....	
Lifschitz, Louis.....	Ohio.....	
List, Walter.....	Kentucky.....	W. G. List, M. D.
McClure, U. G.....	Kentucky.....	A. H. More, M. D.
McCord, Harry E.....	Ohio.....	
McHenry, J. Bostock.....	Ohio.....	O. E. McHenry, M. D.
Meek, J. Risk.....	Kentucky.....	J. M. Meek, M. D.
Moore, John.....	Kentucky.....	
Neal, Aleshire.....	Ohio.....	
Panzer, George U.....	Ohio.....	
Prince, Frank J.....	Ohio.....	
Schroder, Charles.....	Ohio.....	
Silver, Harry.....	Ohio.....	
Simmonds, Earl.....	Ohio.....	
Smith, J. Richard.....	Florida.....	B. Decatur Smith, M. D.
Smith, Samuel H.....	Ohio.....	
Stammel, Julius.....	Ohio.....	C. A. Stammel, M. D.
Stevenson, Robert.....	Ohio.....	
Thorndyke, John.....	Kentucky.....	
Werner, August.....	Ohio.....	C. A. L. Reed, M. D.
Wilson, Earl.....	Indiana.....	

### Seniors.

Austin, Howard H.....	Ohio.....	
Batte, John T.....	Kentucky.....	A. V. Phelps, M. D.
Caldwell, J. Hadley.....	Kentucky.....	J. A. Caldwell, M. D.

NAME.	STATE.	PRECEPTOR.
Detrick, Frank E.....	Ohio.....	
Doerr, Charles E.....	Ohio.....	Drs. W. Muehlberg and C. M. Paul.
Du Bois, Chas. Clifford.....	Indiana.....	Drs. Jas. W. Rowe and F. Du Bois.
Firth, Robert H.....	Ohio.....	Drs. J. Reeve, Jr., and A. Earley.
Fish, Daniel A.....	Wisconsin.....	
Freilich, Jos. N.....	Ohio.....	
Friesleben, William.....	Illinois.....	
Ghazuli, Ayad Abdallah.....	Egypt.....	E. S. McKee, M. D.
Heterick, Robert H.....	Ohio.....	Jas. W. Rowe, M. D.
Ireton, Frank A.....	Ohio.....	
Laham, Amin T.....	Palestine.....	
Lusher, H. V.....	Ohio.....	B. M. Ricketts, M. D.
McGuire, Lee W.....	Ohio.....	
McKay, Roy H.....	West Virginia.....	
Micklethwait, Oscar R.....	Ohio.....	W. D. Micklethwait, M. D.
Myers, Wm. P.....	Ohio.....	
Neal, Will E.....	Ohio.....	
Nelson, Harry G.....	Indiana.....	
Newman, O. C.....	Oklahoma.....	Harry O'Connor, M. D.
North, Emerson A.....	Indiana.....	O. P. M. Ford, M. D.
Palmer, Dudley White.....	Ohio.....	Drs. C. Palmer and A. V. Phelps.
Peake, Theodore J.....	South Carolina.....	
Pribble, E. B.....	Illinois.....	J. A. Akester, M. D.
Ricker, Elbridge.....	Ohio.....	C. M. Paul, M. D.
Robinson, Wilbur.....	Indiana.....	C. Neuforth, M. D.
Rockhill, Charles S.....	Ohio.....	
Runyan, Raymond.....	Ohio.....	William Muehlberg, M. D.
Schultz, L. Huber.....	Ohio.....	
Townsend, Calvin E.....	Ohio.....	
Tuechter, Jacob L.....	Ohio.....	A. V. Phelps, M. D.
Wallenstein, Millard.....	Ohio.....	Wm. Hillkowitz, M. D.
Weehr, Kenneth L.....	Ohio.....	

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